



# Manufacturers' Shipments, Inventories, and Orders

## July 1987

U.S. Department of Commerce  
BUREAU OF THE CENSUS

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(All Figures in text are in seasonally adjusted current dollars)



**SUMMARY.** New orders for manufactured goods in July declined \$0.5 billion or 0.2 percent to \$204.9 billion. A decrease in durable goods of 0.6 percent more than offset a 0.2 percent increase in nondurables. The durable goods decrease was revised from the earlier reported 1.5 percent decline.

Shipments of manufactured goods declined \$1.3 billion or 0.7 percent to \$199.3 billion. Virtually all of the decline was in the durable goods sector which was down 1.2 percent; nondurables declined 0.1 percent.

Unfilled orders for manufactured goods in July increased \$5.7 billion or 1.5 percent to \$390.9 billion. This is the fifth consecutive monthly increase and the fourth in excess of 1.0 percent per month.

Inventories held by manufacturers as of the end of July were up \$1.4 billion or 0.4 percent from June to \$323.0 billion. This is the third increase in the last four months and follows a downward trend which extended from March 1985 at \$333.9 billion to March 1987 at \$320.1 billion. The inventory to shipments ratio for July was 1.62 percent, up from 1.60 percent in June.

**NEW ORDERS.** New orders for manufactured durable goods in July declined \$0.7 billion or 0.6 percent to \$108.5 billion. This is the first decline in new orders since the 9.8 percent drop in January. Orders for transportation equipment were down \$1.2 billion or 4.0 percent to \$27.6 billion; declines in motor vehicles and parts and shipbuilding and tanks more than offset an increase in aircraft and parts. Declines were also reported in electrical machinery, fabricated metals and primary metals.

New orders for nonelectrical machinery increased \$1.3 billion or 7.2 percent to \$18.8 billion. Increases were widespread within the industry, with the largest in office and computing equipment which increased \$0.5 billion or 11.1 percent to \$5.1 billion.

New orders for nondurables increased \$0.2 billion or 0.2 percent to \$96.4 billion. Increases in foods, paper, petroleum, chemicals and leather more than offset declines in tobacco and printing and publishing.

**SHIPMENTS.** Shipments of durable goods in July declined \$1.2 billion or 1.2 percent to \$103.2 billion, the third decline in the last four months. A large decline in transportation equipment more than offset increases in most of the other major industries. Transportation declined \$2.9 billion or 10.6 percent to \$24.1 billion; nearly two-thirds of the decrease was in motor vehicles and parts. The largest increase in shipments was in nonelectrical machinery up \$0.7 billion or 4.3 percent to \$18.1 billion.

Shipments of nondurable goods showed a slight decline of \$0.1 billion or 0.1 percent to \$96.0 billion. The tobacco industry which has become very volatile was down \$0.9 billion or 44.5 percent to \$1.1 billion. Excluding tobacco, nondurable shipments increased 0.9 percent.

Unfilled orders for durable goods in July increased \$5.3 billion or 1.4 percent to \$377.5 billion. The largest increase was in transportation equipment, up \$3.5 billion or 2.1 percent to \$171.3 billion, all attributable to aircraft and parts. Other increases were in primary metals, up 2.0 percent, nonelectrical machinery up 1.2 percent, electrical machinery, up 0.5 percent, and instruments, up 1.6 percent.

**INVENTORIES.** Inventories of durable goods manufacturers in July increased \$1.1 billion or 0.5 percent to \$209.8 billion. Over half of the increase was in transportation equipment, up \$0.8 billion or 1.4 percent to \$55.0 billion. Nondurable goods inventories increased \$0.3 billion or 0.2 percent to \$113.2 billion. Increases were reported in most categories, more than offsetting a decline in food products.

Inventories by stage of fabrication in July showed materials and supplies down 0.5 percent, work in process up 0.4 percent and finished goods up 1.4 percent. The increase in finished goods was mostly in the durables sector, up 1.8 percent.

**SCHEDULED RELEASE DATES.** The advance report on durable goods for August is scheduled for September 23, 1987, at 8:30 a.m. and the full report on October 1, 1987 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. This press release is also available on the date of issue through the Census Bureau's online information service—CENDATA™. The online version of the report can be read from a terminal screen, printed on— or off—line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (800/334-2564). Further information about accessing CENDATA can be obtained from Dialog. The CENDATA Staff at the Bureau of the Census (301/763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>					
		Monthly				Percent change			Monthly				Year to date	
		July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986 <sup>F</sup>	June-July <sup>P</sup>	May-June <sup>F</sup>	July-87/86	July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986	1987 <sup>P</sup>	1986
	All manufacturing industries	199,251	200,591	196,929	186,331	-0.7	+1.9	+6.9	185,080	212,816	198,265	172,672	1,371,599	1,312,747
	Manufacturing industries with unfilled orders.....	108,928	109,062	106,925	102,878	-0.1	+2.0	+5.9	99,986	116,643	106,901	94,349	743,763	713,345
	Durable goods industries.....	103,235	104,476	102,477	99,712	-1.2	+2.0	+3.5	93,655	113,238	104,192	90,221	721,075	694,679
	With unfilled orders.....	84,096	84,449	82,789	80,950	-0.4	+2.0	+3.9	76,881	91,206	82,996	73,975	577,119	561,971
32	Stone, clay, and glass products.....	4,959	4,946	4,961	4,658	+0.3	-0.3	+6.5	4,925	5,380	5,144	4,623	34,946	32,901
33	Primary metals.....	9,289	9,018	8,643	8,222	+3.0	+4.3	+13.0	8,655	9,623	9,034	7,644	61,615	61,552
331	Blast furnaces, steel mills....	4,053	3,879	3,721	3,651	+4.5	+4.2	+11.0	3,798	4,198	3,928	3,414	26,357	26,536
332	Iron and steel foundries.....	769	763	740	831	+0.8	+3.1	-7.5	694	834	787	747	5,578	6,154
333-9	Nonferrous and other primary metals.....	4,467	4,376	4,182	3,740	+2.1	+4.6	+19.4	4,163	4,591	4,319	3,483	29,680	28,862
34	Fabricated metal products.....	11,050	11,202	11,062	11,306	-1.4	+1.3	-2.3	10,425	11,976	11,317	10,634	78,842	79,669
35	Machinery, except electrical....	18,071	17,328	17,110	17,055	+4.3	+1.3	+6.0	16,423	19,552	17,187	15,525	119,488	120,220
351	Engines and turbines.....	1,235	1,201	1,165	1,033	+2.8	+3.1	+19.6	1,119	1,298	1,235	935	8,301	8,499
353	Construction, mining, and material handling equipment..	2,212	2,128	2,047	2,166	+3.9	+4.0	+2.1	2,320	2,324	2,124	2,267	14,731	16,598
354	Metalworking machinery.....	746	763	756	701	-2.2	+0.9	+6.4	642	839	722	604	5,092	5,058
357	Office and computing machines..	4,915	4,618	4,677	4,766	+6.4	-1.3	+3.1	4,143	5,640	4,288	3,987	30,004	30,202
36	Electrical machinery.....	18,690	18,527	18,326	17,125	+0.9	+1.1	+9.1	16,617	20,105	17,829	15,229	124,707	114,418
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,264	2,268	2,246	2,148	-0.2	+1.0	+5.4	1,964	2,448	2,208	1,862	15,262	14,601
363	Household appliances.....	1,516	1,577	1,561	1,488	-3.9	+2.3	+1.9	1,486	1,815	1,533	1,461	10,842	9,602
365	Radio and TV.....	887	1,123	1,164	1,082	-21.0	-3.5	-18.0	792	1,230	1,042	964	6,903	6,726
366	Communication equipment.....	6,238	6,073	6,019	5,700	+2.7	+0.9	+9.4	5,380	6,656	5,869	4,925	40,998	38,434
367	Electronic components.....	4,354	4,017	3,953	3,665	+8.4	+1.6	+18.8	3,945	4,290	3,973	3,315	27,893	25,503
364,9	Other electrical machinery....	3,431	3,469	3,403	3,042	-1.1	+1.9	+12.8	3,050	3,666	3,204	2,702	22,809	19,552
37	Transportation equipment.....	24,116	26,985	26,323	26,297	-10.6	+2.5	-8.3	20,685	28,787	27,378	22,512	189,017	182,304
371	Motor vehicles and parts.....	14,471	16,297	16,320	16,270	-11.2	-0.1	-11.1	11,391	17,700	17,512	12,843	119,811	115,831
372,6	Aircraft, missiles, and parts..	7,996	8,845	8,242	8,362	-9.6	+7.3	-4.4	7,669	9,225	8,100	8,028	57,117	54,605
3731,95	Shipbuilding and military tank vehicles.....	735	872	817	871	-15.7	+6.7	-15.6	735	872	817	871	5,520	6,092
38	Instruments and related products	5,426	5,284	5,216	5,075	+2.7	+1.3	+6.9	5,028	5,724	5,185	4,710	35,917	34,669
381-4	Scientific and engineering instruments.....	3,681	3,497	3,447	3,350	+5.3	+1.5	+9.9	3,383	3,767	3,422	3,084	24,047	23,407
386	Photographic goods.....	1,581	1,624	1,612	1,532	-2.6	+0.7	+3.2	1,483	1,782	1,594	1,435	10,731	9,972
24,25, 39	All other durable goods.....	11,634	11,186	10,836	9,974	+4.0	+3.2	+16.6	10,897	12,091	11,118	9,344	76,543	68,946
	Nondurable goods industries.....	96,016	96,115	94,452	86,619	-0.1	+1.8	+10.8	91,425	99,578	94,073	82,451	650,524	618,068
	With unfilled orders.....	24,832	24,613	24,136	21,928	+0.9	+2.0	+13.2	23,105	25,437	23,905	20,374	166,644	151,374
20	Food and kindred products.....	28,317	27,880	27,498	26,312	+1.6	+1.4	+7.6	27,231	28,662	27,531	25,307	190,217	178,202
202	Dairy products.....	3,940	3,982	3,934	3,545	-1.1	+1.2	+11.1	3,991	4,151	4,042	3,587	27,463	24,320
208	Beverages.....	3,646	3,589	3,516	3,628	+1.6	+2.1	+0.5	3,930	4,029	3,780	3,915	25,346	25,852
203-6,9	All other foods.....	12,698	12,427	12,311	11,953	+2.2	+0.9	+6.2	11,466	12,473	11,932	10,796	84,669	80,323
21	Tobacco products.....	1,144	2,060	1,670	1,165	-44.5	+23.4	-1.8	1,144	2,060	1,670	1,165	9,845	10,143
22	Textile mill products.....	4,805	4,754	4,585	4,597	+1.1	+3.7	+4.5	4,113	5,126	4,621	3,931	31,954	30,799
221-4,6, 8,9	Broadwoven fabrics.....	2,938	2,886	2,791	2,836	+1.8	+3.4	+3.6	2,397	3,144	2,833	2,314	19,450	19,200
26	Paper and allied products.....	10,159	9,786	9,547	8,604	+3.8	+2.5	+18.1	9,672	10,295	9,591	8,200	67,652	58,790
261-3,6	Pulp, paper etc.....	4,437	4,114	4,056	3,624	+7.9	+1.4	+22.4	4,151	4,298	4,135	3,394	28,997	24,517
265	Paperboard containers.....	2,220	2,232	2,096	1,858	-0.5	+6.5	+19.5	2,116	2,325	2,117	1,770	14,622	12,973
264	All other paper products.....	3,502	3,440	3,395	3,122	+1.8	+1.3	+12.2	3,405	3,672	3,339	3,036	24,033	21,300
28	Chemicals and allied products..	18,039	17,779	17,887	16,130	+1.5	-0.6	+11.8	16,575	18,892	18,109	14,802	123,798	116,388
281,6	Industrial chemicals, except pigments.....	5,292	5,265	5,438	4,644	+0.5	-3.2	+14.0	4,980	5,572	5,472	4,368	36,303	33,185
283,4	Drugs, soaps, and toiletries..	6,149	5,965	5,860	5,692	+3.1	+1.8	+8.0	5,534	6,514	5,445	5,118	40,967	38,825
282,9	Other chemical products.....	4,368	4,333	4,378	3,792	+0.8	-1.0	+15.2	4,102	4,453	4,442	3,555	29,501	27,080
29	Petroleum and coal products....	11,406	11,074	10,743	9,649	+3.0	+3.1	+18.2	11,534	11,218	10,756	9,773	73,508	80,490
30	Rubber and plastics products....	6,204	6,591	6,528	5,732	-5.9	+1.0	+8.2	5,880	7,041	6,598	5,436	45,536	41,895
23,27, 31	All other nondurable goods.....	15,942	16,191	15,994	14,430	-1.5	+1.2	+10.5	15,276	16,284	15,197	13,837	108,014	101,361
	Market categories:													
	Home goods and apparel.....	13,682	13,746	13,438	12,653	-0.5	+2.3	+8.1	12,711	14,460	12,705	11,791	91,493	86,031
	Consumer staples.....	39,585	40,151	39,477	36,678	-1.4	+1.7	+7.9	37,732	41,672	39,030	34,983	269,402	252,167
	Equipment and defense products, except automotive.....	32,525	32,000	31,151	30,816	+1.6	+2.7	+5.5	29,586	35,223	30,713	28,125	215,461	211,585
	Automotive equipment.....	16,522	18,379	18,344	18,100	-10.1	+0.2	-8.7	13,424	19,914	19,584	14,656	134,023	129,083
	Construction materials, supplies and intermediate products.....	16,116	15,745	15,619	14,850	+2.4	+0.8	+8.5	16,070	17,318	16,304	14,786	111,340	103,824
	Other materials, supplies, and intermediate products.....	80,821	80,570	78,900	73,234	+0.3	+2.1	+10.4	75,557	84,229	79,929	68,331	549,880	530,057
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	36,947	37,289	36,211	35,733	-0.9	+3.0	+3.4	33,806	40,733	35,548	32,751	248,968	241,430
	Nondefense.....	28,080	27,852	26,974	26,725	+0.8	+3.3	+5.1	25,515	30,885	26,464	24,283	186,989	182,466
	Defense.....	8,867	9,437	9,237	9,008	-6.0	+2.2	-1.6	8,291	9,848	9,084	8,468	61,979	58,964
	Household durable goods industries.....	6,365	6,445	6,294	5,949	-1.2	+2.4	+7.0	5,602	7,002	6,111	5,276	42,775	39,567

See footnotes at end of table 2.



Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>					
		Monthly				Percent change			Monthly				Year to date	
		July 1987 <sup>P</sup>	June 1987 <sup>T</sup>	May 1987	July 1986 <sup>T</sup>	June-July <sup>P</sup>	May-June <sup>T</sup>	July-87/86	July 1987 <sup>P</sup>	June 1987 <sup>T</sup>	May 1987	July 1986	1987 <sup>P</sup>	1986
	All manufacturing industries	204,943	205,454	201,397	186,334	-0.2	+2.0	+10.0	189,804	214,098	200,163	171,499	1,391,096	1,315,706
	Manufacturing industries with unfilled orders.....	114,620	113,925	111,393	102,881	+0.6	+2.3	+11.4	104,710	117,925	108,799	93,176	763,260	716,304
	Durable goods industries.....	108,505	109,181	106,992	99,679	-0.6	+2.0	+8.9	97,833	114,356	106,201	88,928	737,816	697,138
	With unfilled orders.....	89,366	89,154	87,304	80,917	+0.2	+2.1	+10.4	81,059	92,324	85,005	72,682	593,860	564,430
32	Stone, clay, and glass products.....	5,001	4,913	4,986	4,632	+1.8	-1.5	+8.0	4,958	5,312	5,150	4,578	35,063	33,016
33	Primary metals.....	9,685	9,976	9,509	7,762	-2.9	+4.9	+24.8	8,757	9,796	8,930	7,028	64,340	60,476
331	Blast furnaces, steel mills....	4,371	4,541	4,241	3,227	-3.7	+7.1	+35.5	3,934	4,145	3,645	2,915	28,182	25,737
332	Iron and steel foundries.....	793	740	870	805	+7.2	-14.9	-1.5	731	804	860	740	5,638	6,416
333-9	Nonferrous and other primary metals.....	4,521	4,695	4,398	3,730	-3.7	+6.8	+21.2	4,092	4,847	4,425	3,373	30,520	28,323
34	Fabricated metal products.....	11,131	11,603	11,036	11,166	-4.1	+5.1	-0.3	10,542	12,328	11,380	10,494	79,244	79,321
35	Machinery, except electrical....	18,761	17,496	17,583	16,855	+7.2	-0.5	+11.3	16,871	19,547	17,810	15,046	121,959	117,038
351	Engines and turbines.....	1,347	1,152	1,398	853	+16.9	-17.6	+57.9	1,318	1,218	1,470	860	8,467	8,077
353	Construction, mining, and material handling equipment..	2,353	2,097	2,023	1,936	+12.2	+3.7	+21.5	2,509	2,198	2,121	2,063	14,869	15,401
354	Metalworking machinery.....	716	692	707	646	+3.5	-2.1	+10.8	729	781	701	677	5,127	4,952
357	Office and computing machines..	5,135	4,623	4,846	5,073	+11.1	-4.6	+1.2	4,009	5,746	4,686	3,905	30,883	29,189
36	Electrical machinery.....	19,173	19,672	18,353	17,534	-2.5	+7.2	+9.3	16,917	20,712	17,565	15,455	125,530	117,999
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,244	2,244	2,169	2,196	0.0	+3.5	+2.2	1,959	2,382	2,136	1,922	15,265	14,300
363	Household appliances.....	1,533	1,546	1,526	1,492	-0.8	+1.3	+2.7	1,512	1,780	1,532	1,477	10,812	9,623
365	Radio and TV.....	877	1,069	1,273	1,014	-18.0	-16.0	-13.5	782	1,176	1,151	896	6,801	6,648
366	Communication equipment.....	6,637	7,080	5,658	6,372	-6.3	+25.1	+4.2	5,301	7,298	5,116	5,112	40,645	42,019
367	Electronic components.....	4,470	4,251	4,311	3,409	+5.2	-1.4	+31.1	4,304	4,402	4,400	3,302	29,151	25,569
364,9	Other electrical machinery....	3,412	3,482	3,416	3,051	-2.0	+1.9	+11.8	3,059	3,674	3,230	2,746	22,856	19,840
37	Transportation equipment.....	27,641	28,794	29,571	26,724	-4.0	-2.6	+3.4	23,601	28,576	28,901	22,145	196,995	184,665
372,6	Aircraft, missiles, and parts..	11,724	9,636	10,277	8,418	+21.7	-6.2	+39.3	10,663	8,195	8,918	7,111	62,580	56,332
3731,95	Shipbuilding and military tank vehicles.....	511	1,819	1,737	1,320	-71.9	+4.7	-61.3	578	1,644	1,488	1,410	7,469	6,859
38	Instruments and related products	5,567	5,551	5,189	5,114	+0.3	+7.0	+8.9	5,184	5,996	5,161	4,759	36,646	34,591
381-4	Scientific and engineering instruments.....	3,767	3,677	3,409	3,311	+2.4	+7.9	+13.8	3,469	3,947	3,384	3,045	24,438	23,187
24,25, 39	All other durable goods.....	11,546	11,176	10,765	9,892	+3.3	+3.8	+16.7	11,003	12,089	11,304	9,423	78,039	70,032
	Nondurable goods industries.....	96,438	96,273	94,405	86,655	+0.2	+2.0	+11.3	91,971	99,742	93,962	82,571	653,280	618,568
	With unfilled orders.....	25,254	24,771	24,089	21,964	+1.9	+2.8	+15.0	23,651	25,601	23,794	20,494	169,400	151,874
	Market categories:													
	Home goods and apparel.....	13,713	13,668	13,472	12,524	+0.3	+1.5	+9.5	12,908	14,296	12,844	11,779	92,971	87,054
	Consumer staples.....	39,570	40,147	39,434	36,663	-1.4	+1.8	+7.9	37,760	41,628	38,943	35,019	269,296	252,178
	Equipment and defense products, except automotive.....	35,817	34,653	35,175	31,819	+3.4	-1.5	+12.6	31,480	35,460	33,203	27,471	223,430	213,544
	Automotive equipment.....	16,471	18,384	18,577	18,069	-10.4	-1.0	-8.8	13,431	19,895	19,558	14,714	134,369	128,952
	Construction materials, supplies and intermediate products.....	16,248	15,790	15,607	14,931	+2.9	+1.2	+8.8	16,215	17,296	16,372	14,842	111,546	104,078
	Other materials, supplies, and intermediate products.....	83,124	82,812	79,132	72,328	+0.4	+4.7	+14.9	78,010	85,523	79,243	67,674	559,484	529,900
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	41,387	40,564	39,472	36,466	+2.0	+2.8	+13.5	36,906	41,472	37,094	31,903	259,078	244,081
	Nondefense.....	31,524	29,987	30,031	26,404	+5.1	-0.1	+19.4	28,764	32,845	29,664	23,749	198,906	180,906
	Defense.....	9,863	10,577	9,441	10,062	-6.8	+12.0	-2.0	8,142	8,627	7,430	8,154	60,172	63,175
	Household durable goods industries.....	6,321	6,396	6,353	5,820	-1.2	+0.7	+8.6	5,697	6,900	6,252	5,248	43,747	40,456

<sup>P</sup>Preliminary. <sup>T</sup>Revised.<sup>1</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.<sup>2</sup>The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		July 1987P	June 1987F	May 1987	July 1986F	June-JulyP	May-JuneF	July-87/86	July 1987P	June 1987F	May 1987	July 1986
	All manufacturing industries.....	390,909	385,217	380,354	373,845	+1.5	+1.3	+4.6	389,907	385,183	383,901	372,886
	Durable goods industries.....	377,485	372,215	367,510	363,243	+1.4	+1.3	+3.9	376,277	372,099	370,981	362,133
32	Stone, clay, and glass products.....	2,503	2,461	2,494	2,617	+1.7	-1.3	-4.4	2,547	2,514	2,582	2,663
33	Primary metals.....	20,042	19,646	18,688	15,630	+2.0	+5.1	+28.2	19,452	19,350	19,177	15,229
331	Blast furnaces, steel mills.....	11,262	10,944	10,282	7,721	+2.9	+6.4	+45.9	10,676	10,540	10,593	7,322
332	Iron and steel foundries.....	2,728	2,704	2,727	2,606	+0.9	-0.8	+4.7	2,736	2,699	2,729	2,624
333-9	Nonferrous and other primary metals.....	6,052	5,998	5,679	5,303	+0.9	+5.6	+14.1	6,040	6,111	5,855	5,283
34	Fabricated metal products.....	18,897	18,816	18,415	19,143	+0.4	+2.2	-1.3	19,099	18,982	18,630	19,354
35	Machinery, except electrical.....	56,875	56,185	56,017	57,419	+1.2	+0.3	-0.9	57,029	56,581	56,586	57,579
351	Engines and turbines.....	14,756	14,644	14,693	16,051	+0.8	-0.3	-8.1	14,671	14,472	14,552	15,969
353	Construction, mining, and material handling equipment.....	4,464	4,323	4,354	4,460	+3.3	-0.7	+0.1	4,473	4,284	4,410	4,466
354	Metalworking machinery.....	2,997	3,027	3,098	3,382	-1.0	-2.3	-11.4	3,090	3,003	3,061	3,482
357	Office and computing machines.....	19,205	18,985	18,980	19,216	+1.2	0.0	-0.1	19,512	19,646	19,540	19,528
36	Electrical machinery.....	93,284	92,801	91,656	93,892	+0.5	+1.2	-0.6	93,393	93,093	92,486	93,964
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,315	5,335	5,359	5,450	-0.4	-0.4	-2.5	5,331	5,336	5,402	5,467
363	Household appliances.....	211	194	225	331	+8.8	-13.8	-36.3	233	207	242	365
365	Radio and TV.....	261	271	325	357	-3.7	-16.6	-26.9	261	271	325	357
366	Communication equipment.....	69,397	68,998	67,991	69,872	+0.6	+1.5	-0.7	68,933	69,012	68,370	69,374
367	Electronic components.....	16,381	16,265	16,031	16,049	+0.7	+1.5	+2.1	16,889	16,530	16,418	16,537
364,9	Other electrical machinery.....	1,719	1,738	1,725	1,833	-1.1	+0.8	-6.2	1,746	1,737	1,729	1,864
37	Transportation equipment.....	171,253	167,728	165,919	161,098	+2.1	+1.1	+6.3	169,767	166,851	167,062	159,590
372,6	Aircraft, missiles, and parts.....	145,618	141,890	141,099	136,331	+2.6	+0.6	+6.8	144,189	141,195	142,225	134,898
3731,95	Shipbuilding and military tank vehicles.....	19,239	19,463	18,516	18,696	-1.2	+5.1	+2.9	19,295	19,452	18,680	18,726
38	Instruments and related products.....	8,876	8,735	8,468	8,372	+1.6	+3.2	+6.0	8,904	8,748	8,476	8,394
381-4	Scientific and engineering instruments.....	7,795	7,709	7,529	7,366	+1.1	+2.4	+5.8	7,795	7,709	7,529	7,366
24,25, 39	All other durable goods.....	5,755	5,843	5,853	5,072	-1.5	-0.2	+13.5	6,086	5,980	5,982	5,360
	Nondurable goods industries.....	13,424	13,002	12,844	10,602	+3.2	+1.2	+26.6	13,630	13,084	12,920	10,753
	Market categories:											
	Home goods and apparel.....	4,598	4,567	4,645	4,112	+0.7	-1.7	+11.8	4,810	4,613	4,777	4,286
	Consumer staples.....	684	699	703	806	-2.1	-0.6	-15.1	657	629	673	772
	Equipment and defense products, except automotive.....	247,314	244,022	241,369	240,062	+1.3	+1.1	+3.0	245,956	244,062	243,825	238,631
	Automotive equipment.....	5,963	6,014	6,009	5,705	-0.8	+0.1	+4.5	5,850	5,843	5,862	5,600
	Construction materials, supplies and intermediate products.....	10,090	9,958	9,913	10,505	+1.3	+0.5	-4.0	10,294	10,149	10,171	10,715
	Other materials, supplies, and intermediate products.....	122,260	119,957	117,715	112,655	+1.9	+1.9	+8.5	122,340	119,887	118,593	112,882
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	301,064	296,624	293,349	292,155	+1.5	+1.1	+3.0	299,424	296,324	295,585	290,464
	Nondefense.....	138,740	135,296	133,161	126,954	+2.5	+1.6	+9.3	138,937	135,688	133,728	127,164
	Defense.....	162,324	161,328	160,188	165,201	+0.6	+0.7	-1.7	160,487	160,636	161,857	163,300
	Household durable goods industries.....	3,788	3,832	3,881	3,552	-1.1	-1.3	+6.6	3,932	3,837	3,939	3,676

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986 <sup>F</sup>	June-July <sup>P</sup>	May-June <sup>F</sup>	July-87/86	July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986
	All manufacturing industries.....	322,995	321,621	321,848	320,888	+0.4	-0.1	+0.7	323,858	322,472	324,696	321,663
	Manufacturing industries with unfilled orders.....	218,861	217,880	218,367	219,461	+0.5	-0.2	-0.3	220,983	219,855	221,106	221,494
	Durable goods industries.....	209,767	208,654	209,096	210,462	+0.5	-0.2	-0.3	210,834	209,890	211,505	211,478
	With unfilled orders.....	192,330	191,388	191,763	193,962	+0.5	-0.2	-0.8	193,934	192,937	194,113	195,490
32	Stone, clay, and glass products.....	6,982	6,973	7,015	6,990	+0.1	-0.6	-0.1	7,060	7,114	7,228	7,068
33	Primary metals.....	16,253	16,228	16,312	18,073	+0.2	-0.5	-10.1	16,495	16,410	16,523	18,348
331	Blast furnaces, steel mills.....	7,255	7,270	7,287	8,595	-0.2	-0.2	-15.6	7,451	7,360	7,334	8,825
332	Iron and steel foundries.....	1,213	1,198	1,186	1,175	+1.3	+1.0	+3.2	1,197	1,211	1,229	1,158
333-9	Nonferrous and other primary metals.....	7,785	7,760	7,839	8,303	+0.3	-1.0	-6.2	7,847	7,839	7,960	8,365
34	Fabricated metal products.....	21,362	21,223	21,343	21,636	+0.7	-0.6	-1.3	21,467	21,652	21,662	21,738
35	Machinery, except electrical.....	40,878	40,902	41,092	42,818	-0.1	-0.5	-4.5	41,023	40,958	41,591	42,957
351	Engines and turbines.....	2,840	2,824	2,796	2,809	+0.6	+1.0	+1.1	2,882	2,852	2,850	2,849
353	Construction, mining, and material handling equipment.....	6,471	6,507	6,555	7,138	-0.6	-0.7	-9.3	6,387	6,473	6,613	7,045
354	Metalworking machinery.....	2,960	2,924	2,929	2,875	+1.2	-0.2	+3.0	2,996	2,941	2,983	2,909
357	Office and computing machines.....	9,644	9,683	9,777	10,723	-0.4	-1.0	-10.1	9,789	9,678	9,968	10,886
36	Electrical machinery.....	39,299	39,220	39,277	39,374	+0.2	-0.1	-0.2	39,700	39,763	39,880	39,771
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,841	4,864	4,947	5,031	-0.5	-1.7	-3.8	4,873	4,912	5,021	5,064
363	Household appliances.....	2,645	2,678	2,746	2,745	-1.2	-2.5	-3.6	2,695	2,824	2,959	2,795
365	Radio and TV.....	1,694	1,677	1,726	1,619	+1.0	-2.8	+4.6	1,807	1,763	1,782	1,726
366	Communication equipment.....	16,483	16,433	16,344	16,506	+0.3	+0.5	-0.1	16,574	16,453	16,406	16,597
367	Electronic components.....	7,908	7,842	7,759	7,639	+0.8	+1.1	+3.5	7,971	7,939	7,827	7,704
364,9	Other electrical machinery.....	5,728	5,726	5,755	5,834	0.0	-0.5	-1.8	5,780	5,872	5,885	5,885
37	Transportation equipment.....	54,968	54,199	54,084	52,924	+1.4	+0.2	+3.9	54,871	53,965	54,306	52,768
371	Motor vehicles and parts.....	11,128	11,155	11,188	11,155	-0.2	-0.3	-0.2	10,647	10,708	11,046	10,681
372,6	Aircraft, missiles, and parts.....	39,860	39,174	39,035	38,163	+1.8	+0.4	+4.4	40,345	39,442	39,417	38,577
3731,95	Shipbuilding and military tank vehicles.....	2,164	2,081	2,097	1,844	+4.0	-0.8	+17.4	2,167	2,082	2,106	1,849
38	Instruments and related products.....	12,519	12,461	12,544	12,516	+0.5	-0.7	0.0	12,665	12,658	12,786	12,659
381-4	Scientific and engineering instruments.....	8,950	8,927	9,005	9,060	+0.3	-0.9	-1.2	9,013	9,022	9,131	9,126
386	Photographic goods.....	2,899	2,883	2,895	2,878	+0.6	-0.4	+0.7	2,960	2,957	2,990	2,936
24,25, 39	All other durable goods.....	17,506	17,448	17,429	16,131	+0.3	+0.1	+8.5	17,553	17,370	17,529	16,169
	Nondurable goods industries.....	113,228	112,967	112,752	110,426	+0.2	+0.2	+2.5	113,024	112,582	113,191	110,185
	With unfilled orders.....	26,531	26,492	26,604	25,499	+0.1	-0.4	+4.0	27,049	26,918	26,993	26,004
20	Food and kindred products.....	24,174	24,639	24,211	24,084	-1.9	+1.8	+0.4	23,329	23,367	23,418	23,237
202	Dairy products.....	2,259	2,221	2,190	1,815	+1.7	+1.4	+24.5	2,304	2,258	2,257	1,852
208	Beverages.....	4,350	4,521	4,534	4,794	-3.8	-0.3	-9.3	4,311	4,552	4,623	4,747
203-6,9	All other foods.....	14,321	14,521	14,135	14,323	-1.4	+2.7	0.0	13,648	13,283	13,215	13,653
21	Tobacco products.....	5,950	5,928	5,803	5,549	+0.4	+2.2	+7.2	5,426	5,533	5,707	5,064
22	Textile mill products.....	6,764	6,751	6,810	6,869	+0.2	-0.9	-1.5	6,854	6,896	6,986	6,961
221-4,6, 8,9	Broadwoven fabrics.....	3,762	3,738	3,777	3,987	+0.6	-1.0	-5.6	3,803	3,784	3,837	4,030
26	Paper and allied products.....	10,877	10,906	10,909	10,336	-0.3	0.0	+5.2	10,885	11,052	11,107	10,347
261-3,6	Pulp, paper etc.....	4,142	4,175	4,201	3,966	-0.8	0.0	+4.4	4,146	4,210	4,250	3,969
265	Paperboard containers.....	2,709	2,732	2,773	2,471	-0.8	-1.5	+9.6	2,706	2,758	2,799	2,471
264	All other paper products.....	4,026	3,999	3,935	3,899	+0.7	+1.6	+3.3	4,033	4,084	4,058	3,907
28	Chemicals and allied products.....	26,849	26,465	26,783	26,108	+1.5	-1.2	+2.8	26,984	26,499	26,886	26,207
281,6	Industrial chemicals, except pigments.....	8,006	7,732	7,991	7,891	+3.5	-3.2	+1.5	8,006	7,732	7,991	7,891
283,4	Drugs, soaps, and toiletries.....	8,720	8,851	8,712	8,418	-1.5	+1.6	+3.6	8,851	9,004	8,914	8,536
282,9	Other chemical products.....	6,397	6,314	6,432	5,944	+1.3	-1.8	+7.6	6,512	6,331	6,448	6,053
29	Petroleum and coal products.....	10,383	10,348	10,227	10,528	+0.3	+1.2	-1.4	10,355	10,307	10,248	10,501
30	Rubber and plastics products.....	8,801	8,647	8,677	8,461	+1.8	-0.3	+4.0	8,879	8,811	8,938	8,530
23,27, 31	All other nondurable goods.....	19,430	19,283	19,332	18,491	+0.8	-0.3	+5.1	20,312	20,117	19,901	19,338
	Market categories:											
	Home goods and apparel.....	25,796	25,613	25,783	24,635	+0.7	-0.7	+4.7	26,676	26,749	26,779	25,470
	Consumer staples.....	42,115	42,592	41,988	41,281	-1.1	+1.4	+2.0	41,173	41,208	41,371	40,347
	Equipment and defense products, except automotive.....	92,616	92,225	92,316	94,054	+0.4	-0.1	-1.5	92,995	92,409	93,275	94,428
	Automotive equipment.....	13,540	13,544	13,591	13,706	0.0	-0.3	-1.2	12,955	13,079	13,495	13,130
	Construction materials, supplies and intermediate products.....	23,368	23,180	23,186	22,340	+0.8	0.0	+4.6	23,405	23,435	23,518	22,388
	Other materials, supplies, and intermediate products.....	125,560	124,467	124,984	124,872	+0.9	-0.4	+0.6	126,654	125,592	126,258	125,900
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	107,515	106,751	106,804	107,620	+0.7	0.0	-0.1	108,399	107,411	108,021	108,439
	Nondefense.....	72,016	71,902	71,938	74,002	+0.2	-0.1	-2.7	72,308	72,121	72,739	74,299
	Defense.....	35,499	34,849	34,866	33,618	+1.9	0.0	+5.6	36,091	35,290	35,282	34,140
	Household durable goods industries.....	13,227	13,164	13,295	12,603	+0.5	-1.0	+5.0	13,585	13,528	13,694	12,935

See footnotes at end of table 2.



Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>				
		End of month				Percent change			End of month				
		July 1987 <sup>P</sup>	June 1987 <sup>T</sup>	May 1987	July 1986 <sup>T</sup>	June- July <sup>P</sup>	May- June <sup>T</sup>	July- 87/86	July 1987 <sup>P</sup>	June 1987 <sup>T</sup>	May 1987	July 1986	
MATERIALS AND SUPPLIES													
	All manufacturing industries.....	103,407	103,943	103,768	102,428	-0.5	+0.2	+1.0	103,406	103,594	103,482	102,537	
	Durable goods industries.....	59,120	59,759	59,723	59,835	-1.1	+0.1	-1.2	59,461	59,608	59,469	60,281	
	Stone, clay, and glass products.....	2,215	2,213	2,238	2,274	+0.1	-1.1	-2.6	2,220	2,211	2,236	2,286	
32	Primary metals.....	5,075	5,112	5,127	5,867	-0.7	-0.3	-13.5	5,099	5,062	4,993	5,899	
33	Fabricated metal products.....	7,224	7,311	7,314	7,763	-1.2	0.0	-6.9	7,332	7,351	7,295	7,868	
34	Machinery, except electrical.....	11,697	11,775	11,625	11,470	-0.7	+1.3	+2.0	11,756	11,734	11,646	11,632	
35	Electrical machinery.....	10,497	10,520	10,534	10,515	-0.2	-0.1	-0.2	10,671	10,577	10,564	10,694	
36	Transportation equipment.....	11,680	11,969	12,086	11,848	-2.4	-1.0	-1.4	11,683	11,997	12,144	11,820	
37	Instruments and related products.....	4,198	4,174	4,204	4,034	+0.6	-0.7	+4.1	4,218	4,190	4,215	4,065	
24,25, 39	All other durable goods.....	6,534	6,685	6,595	6,064	-2.3	+1.4	+7.8	6,482	6,486	6,376	6,017	
	Nondurable goods industries.....	44,287	44,184	44,045	42,593	+0.2	+0.3	+4.0	43,945	43,986	44,013	42,256	
20	Food and kindred products.....	9,088	9,158	9,151	8,797	-0.8	+0.1	+3.3	8,761	8,939	9,035	8,478	
21	Tobacco products.....	4,966	4,996	4,884	4,585	-0.6	+2.3	+8.3	4,507	4,674	4,791	4,164	
22	Textile mill products.....	1,810	1,817	1,857	1,866	-0.4	-2.2	-3.0	1,858	1,869	1,921	1,918	
26	Paper and allied products.....	5,691	5,689	5,632	5,269	0.0	+1.0	+8.0	5,688	5,722	5,645	5,265	
28	Chemicals and allied products.....	9,039	8,886	8,973	8,994	+1.7	-1.0	+0.5	9,153	8,907	8,981	9,096	
29	Petroleum and coal products.....	3,067	3,071	3,017	3,107	-0.1	+1.8	-1.3	3,059	3,095	3,059	3,089	
30	Rubber and plastics products.....	3,402	3,292	3,300	3,065	+3.3	-0.2	+11.0	3,431	3,381	3,348	3,090	
23,27, 31	All other nondurable goods.....	7,224	7,275	7,231	6,910	-0.7	+0.6	+4.5	7,488	7,399	7,233	7,156	
WORK IN PROCESS													
	All manufacturing industries.....	114,701	114,194	113,797	114,407	+0.4	+0.3	+0.3	114,950	114,367	114,728	114,543	
	Durable goods industries.....	96,835	96,060	95,768	97,137	+0.8	+0.3	-0.3	97,010	96,180	96,543	97,225	
32	Stone, clay, and glass products.....	1,023	1,002	986	1,037	+2.1	+1.6	-1.4	1,032	1,013	996	1,043	
33	Primary metals.....	6,403	6,432	6,452	6,687	-0.5	-0.3	-4.2	6,536	6,499	6,561	6,834	
34	Fabricated metal products.....	7,269	7,408	7,515	7,412	-1.9	-1.4	-1.9	7,370	7,560	7,654	7,511	
35	Machinery, except electrical.....	16,745	16,967	16,805	18,151	-1.3	+1.0	-7.7	16,644	16,925	16,904	17,975	
36	Electrical machinery.....	20,118	20,127	20,088	20,164	0.0	+0.2	-0.2	20,192	20,257	20,247	20,228	
37	Transportation equipment.....	36,980	35,915	35,610	35,243	+3.0	+0.9	+4.9	36,878	35,638	35,744	35,128	
38	Instruments and related products.....	4,728	4,726	4,765	4,962	0.0	-0.8	-4.7	4,775	4,829	4,887	5,005	
24,25, 39	All other durable goods.....	3,569	3,483	3,547	3,481	+2.5	-1.8	+2.5	3,583	3,459	3,550	3,501	
	Nondurable goods industries.....	17,866	18,134	18,029	17,270	-1.5	+0.6	+3.5	17,940	18,187	18,185	17,318	
20	Food and kindred products.....	2,434	2,520	2,434	2,543	-3.4	+3.5	-4.3	2,383	2,450	2,398	2,487	
21	Tobacco products.....	110	110	125	107	0.0	-12.0	+2.8	110	109	125	107	
22	Textile mill products.....	2,092	2,095	2,076	2,078	-0.1	+0.9	+0.7	2,075	2,079	2,100	2,059	
26	Paper and allied products.....	1,230	1,251	1,269	1,212	-1.7	-1.4	+1.5	1,231	1,265	1,276	1,214	
28	Chemicals and allied products.....	4,001	4,042	4,057	3,967	-1.0	-0.4	+0.9	4,068	4,132	4,097	4,026	
29	Petroleum and coal products.....	2,195	2,248	2,228	2,127	-2.4	+0.9	+3.2	2,189	2,266	2,259	2,115	
30	Rubber and plastics products.....	1,323	1,335	1,317	1,338	-0.9	+1.4	-1.1	1,326	1,330	1,310	1,347	
23,27, 31	All other nondurable goods.....	4,481	4,533	4,523	3,898	-1.1	+0.2	+15.0	4,558	4,556	4,620	3,963	
FINISHED GOODS													
	All manufacturing industries.....	104,887	103,484	104,283	104,053	+1.4	-0.8	+0.8	105,502	104,511	106,486	104,583	
	Durable goods industries.....	53,812	52,835	53,605	53,490	+1.8	-1.4	+0.6	54,363	54,102	55,493	53,972	
32	Stone, clay, and glass products.....	3,744	3,758	3,791	3,679	-0.4	-0.9	+1.8	3,808	3,890	3,996	3,739	
33	Primary metals.....	4,775	4,684	4,733	5,519	+1.9	-1.0	-13.5	4,860	4,849	4,969	5,615	
34	Fabricated metal products.....	6,869	6,504	6,514	6,461	+5.6	-0.2	+6.3	6,765	6,741	6,713	6,359	
35	Machinery, except electrical.....	12,436	12,160	12,662	13,197	+2.3	-4.0	-5.8	12,623	12,299	13,041	13,350	
36	Electrical machinery.....	8,684	8,573	8,655	8,695	+1.3	-0.9	-0.1	8,837	8,929	9,069	8,849	
37	Transportation equipment.....	6,308	6,315	6,388	5,833	-0.1	-1.1	+8.1	6,310	6,330	6,418	5,820	
38	Instruments and related products.....	3,593	3,561	3,575	3,520	+0.9	-0.4	+2.1	3,672	3,639	3,684	3,589	
24,25, 39	All other durable goods.....	7,403	7,280	7,287	6,586	+1.7	-0.1	+12.4	7,488	7,425	7,603	6,651	
	Nondurable goods industries.....	51,075	50,649	50,678	50,563	+0.8	-0.1	+1.0	51,139	50,409	50,993	50,611	
20	Food and kindred products.....	12,652	12,961	12,626	12,744	-2.4	+2.7	-0.7	12,185	11,978	11,985	12,272	
21	Tobacco products.....	874	822	794	857	+6.3	+3.5	+2.0	809	750	791	793	
22	Textile mill products.....	2,862	2,839	2,877	2,925	+0.8	-1.3	-2.2	2,921	2,948	2,965	2,984	
26	Paper and allied products.....	3,956	3,966	4,008	3,855	-0.3	-1.0	+2.6	3,966	4,065	4,186	3,868	
28	Chemicals and allied products.....	13,809	13,537	13,753	13,147	+2.0	-1.6	+5.0	13,763	13,460	13,808	13,085	
29	Petroleum and coal products.....	5,121	5,029	4,982	5,294	+1.8	+0.9	-3.3	5,107	4,946	4,930	5,297	
30	Rubber and plastics products.....	4,076	4,020	4,060	4,058	+1.4	-1.0	+0.4	4,122	4,100	4,280	4,093	
23,27, 31	All other nondurable goods.....	7,725	7,475	7,578	7,683	+3.3	-1.4	+0.5	8,266	8,162	8,048	8,219	

<sup>P</sup>Preliminary. <sup>T</sup>Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio <sup>1</sup>			
		July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986 <sup>F</sup>	July 1987 <sup>P</sup>	June 1987 <sup>F</sup>	May 1987	July 1986 <sup>F</sup>
	All manufacturing industries.....	1.62	1.60	1.63	1.72	3.59	3.53	3.56	3.63
	Durable goods industries.....	2.03	2.00	2.04	2.11	4.49	4.41	4.44	4.49
32	Stone, clay, and glass products.....	1.41	1.41	1.41	1.50	0.55	0.55	0.55	0.62
33	Primary metals.....	1.75	1.80	1.89	2.20	2.16	2.18	2.16	1.90
34	Fabricated metal products.....	1.93	1.89	1.93	1.91	1.90	1.86	1.85	1.86
35	Machinery, except electrical.....	2.26	2.36	2.40	2.51	3.38	3.45	3.47	3.55
36	Electrical machinery.....	2.10	2.12	2.14	2.30	4.99	5.01	5.00	5.48
37	Transportation equipment.....	2.28	2.01	2.05	2.01	12.40	10.87	11.20	10.75
38	Instruments and related products.....	2.31	2.36	2.40	2.47	1.64	1.65	1.62	1.65
	Nondurable goods industries.....	1.18	1.18	1.19	1.27	0.54	0.53	0.53	0.48
20	Food and kindred products.....	0.85	0.88	0.88	0.82	(X)	(X)	(X)	(X)
21	Tobacco products.....	5.20	2.88	3.47	4.76	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.41	1.42	1.49	1.49	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.07	1.11	1.14	1.20	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.49	1.49	1.50	1.62	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.91	0.93	0.95	1.09	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.42	1.31	1.33	1.48	(X)	(X)	(X)	(X)

<sup>P</sup>Preliminary. <sup>F</sup>Revised. (X) Not applicable. (NA) Not available.<sup>1</sup>Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; food and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987	Year ago July 1986	All Julys 1982-1986	July 1986-June 1987
	All manufacturing industries.....	0.6	0.4	0.3	0.8	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.1
	Durable goods industries.....	0.5	0.4	0.3	0.7	0.8	0.5	0.0	0.1	0.1	0.1	0.1	0.2
32	Stone, clay, and glass products.....	0.5	0.9	1.1	0.5	1.2	1.2	0.0	0.7	0.9	0.2	0.5	0.5
33	Primary metals.....	0.2	0.7	0.5	0.1	0.9	0.4	0.2	0.5	0.3	0.0	0.2	0.3
34	Fabricated metal products.....	2.9	1.1	0.8	2.4	1.4	1.0	0.3	0.3	0.5	0.0	0.2	0.2
35	Machinery, except electrical.....	0.1	0.8	0.7	0.1	1.8	1.2	0.0	0.4	0.2	0.2	0.1	0.2
36	Electrical machinery.....	0.4	0.5	0.2	0.1	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.2
37	Transportation equipment.....	0.4	0.4	0.2	1.4	0.5	0.5	0.1	0.0	0.1	0.0	0.1	0.1
38	Instruments and related products.....	1.5	0.9	1.4	3.0	2.6	1.5	0.8	1.1	0.4	0.0	0.2	0.2
	Nondurable goods industries.....	0.8	0.5	0.3	0.8	0.5	0.3	1.0	0.6	0.5	0.1	0.1	0.2
20	Food and kindred products.....	0.1	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.3
21	Tobacco products.....	0.0	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.3
22	Textile mill products.....	2.5	1.8	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.4	0.7
26	Paper and allied products.....	0.7	0.8	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.5	0.4
28	Chemicals and allied products.....	1.5	1.3	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.3
29	Petroleum and coal products.....	0.9	0.9	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.6	0.5
30	Rubber and plastics products.....	2.8	1.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.8	0.4
	Capital goods industries:												
	Nondefense.....	0.2	0.6	0.5	0.1	1.1	0.6	0.0	0.1	0.1	0.1	0.1	0.2
	Defense.....	1.7	1.0	0.4	4.7	2.0	2.0	0.1	0.1	0.1	0.0	0.4	0.2

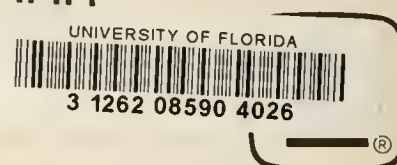
(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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